Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/27/2018 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125952	0	1.37	125820	1.36
Blue	F	SSC	125000	123062	-2	2.82	123454	2.56
Blue	E	FITC	23615	22816	-4	2.61	1014	10.60
Blue	D	PE	26739	26447	-2	2.06	949	10.28
Blue	B	PerCP-Cy5-5	48339	47887	-1	3.44	1379	18.05
Blue	A	PE-Cy7	45021	44615	-1	5.19	686	37.14
Red	C	APC	53064	52211	-2	2.74	3001	9.62
Red	A	APC-Cy7	57175	56587	-2	2.85	1182	11.40
Violet	B	V450	14728	13959	-6	5.54	668	9.69
Violet	A	V500	58621	56342	-4	5.42	2490	7.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19962	2.41	615	1	N/A	N/A	Pass
Blue	F	SSC	60827	1.56	561	15	N/A	N/A	Pass
Blue	E	FITC	115	39.65	551	3	0.0195	160	Pass
Blue	D	PE	208	30.61	542	6	0.1473	256	Pass
Blue	B	PerCP-Cy5-5	216	47.89	643	8	0.0087	89	Pass
Blue	A	PE-Cy7	72	129.04	700	7	0.0109	19	Pass
Red	C	APC	342	28.24	600	3	0.0195	44	Pass
Red	A	APC-Cy7	130	42.36	584	4	0.0054	2038	Pass
Violet	B	V450	80	45.89	466	-4	0.0559	2993	Pass
Violet	A	V500	183	23.29	493	-4	0.0160	762	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.15	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	17.57	14.40 - 21.60	N/A	N/A	31.08	31.41	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9832

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments